TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371	ATTORNEY'S DOCKET NUMBER 524322000200
	U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/542076 (Not yet Assigned)

INTERNATIONAL APPLICATION NO. PCT/US03/37046	INTERNATIONAL FILING DATE 17 November 2003	PRIORITY DATE CLAIMED 2 January 2003

TITLE OF INVENTION   **YIELD IMPROVEMENT**

APPLICANT(S) FOR DO/EO/US   Dennis CIPLICKAS et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. [x] This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.

2. [ ] This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.

3. [x] This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.

4. [x] The US has been elected (Article 31).

5. [x] A copy of the International Application as filed (35 U.S.C. 371 (c)(2))

   a. [ ] is attached hereto (required only if not communicated by the International Bureau).

   b. [ ] has been communicated by the International Bureau.

   c. [x] is not required, as the application was filed in the United States Receiving Office (RO/US).

6. [ ] An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).

   a. [ ] is attached hereto.

   b. [ ] has been previously submitted under 35 U.S.C. 154(d)(4).

7. [ ] Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))

   a. [ ] are attached hereto (required only if not communicated by the International Bureau).

   b. [ ] have been communicated by the International Bureau.

   c. [ ] have not been made; however, the time limit for making such amendments has NOT expired.

   d. [ ] have not been made and will not be made.

8. [ ] An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).

9. [x] An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)) (8 pages)

10. [ ] An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. [ ] An Information Disclosure Statement under 37 CFR 1.97 and 1.98.

12. [x] An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included (7 pages)

13. [x] A preliminary amendment (2 pages)

14. [x] An Application Data Sheet under 37 CFR 1.76. (8 pages)

15. [ ] A substitute specification.

16. [x] A power of attorney and/or change of address letter (1 page)

17. [ ] A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.

18. [ ] A second copy of the published International Application under 35 U.S.C. 154(d)(4).

19. [ ] A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

20. [x] Other items or information: Statement Under 37 CFR 3.73(b) w/copy of Assignment (6 pages) and Return Receipt Postcard

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5)	INTERNATIONAL APPLICATION NO.	ATTORNEY'S DOCKET NUMBER
10/541076 Not yet assigned	PCT/US03/37046	524322000200

The following fees have been submitted	CALCULATIONS	PTO USE ONLY
21. [x] Basic national fee \$300	\$ 300.00	
22. [x] Examination fee		
If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) ....\$100 All other situations \$200	\$ 200.00	
23. [x] Search fee		
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority...............\$100 International Search Report prepared and provided to the Office ....\$400 All other situations \$500	\$ 100.00	
TOTAL OF 21, 22 and 23 =	\$ 600.00	

[ ] Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number	RATE		
43- 100	0/50 =		x \$250.00	0.00	

Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).	\$ 0.00	

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE			
Total claims	67 - 20 =	47	x	25.00	\$ 1,175.00	
Independent claims	3 - 3 =	0	x	100.00	\$ 0.00	
MULTIPLE DEPENDENT CLAIM(s) (if applicable)			+	180.00	\$ 0.00	
TOTAL OF ABOVE CALCULATIONS =					\$ 1,775.00	

[x] Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.	\$ 887.50	
SUBTOTAL =	\$ 887.50	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)). +	\$ 0.00	
TOTAL NATIONAL FEE =	\$ 887.50	
Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +	\$ 40.00	
TOTAL FEES ENCLOSED =	\$	

	Amount to be refunded:	\$
	Amount to be charged:	\$927.50

a. [ ] A check in the amount of \$ _____ to cover the above fees is enclosed.

b. [x] Please charge my Deposit Account No. _____03-1952_____ in the amount of \$ _____927.50_____ to cover the above fees. A duplicate copy of this sheet is enclosed.

c. [x] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. _____03-1952_____. A duplicate copy of this sheet is enclosed.

d. [ ] Fees are to be charged to a credit card. **WARNING: Information on this form may become public. Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

SIGNATURE:

Peter J. Yim

NAME

CUSTOMER NUMBER: 20872

44,417

REGISTRATION NUMBER

FORM PTO-1390 (REV 02-2005)   page 2 of 2

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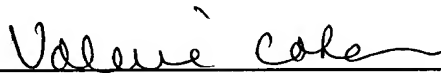| Application No. (if known): Not Yet Assigned	Attorney Docket No.: 524322000200

Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. EV561093645US in an envelope addressed to:

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1. Transmittal Letter to the United States Designated-Elected Office (in duplicate, 6 pages total)
2. Preliminary Amendment (2 pages)
3. Application Data Sheet (8 pages)
4. Recordation Cover Sheet w/copy of Assignment (7 pages)
5. Declaration (copy, 7 pages)
6 Statement Under 37 CFR 3.73(b) w/copy of Assignment (6 pages)
7. Power of Attorney (1 page)

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